Notice of Allowability    Application No.   Application No.   Application No.   Application No.   10/808,344   KOYAMA, JUN   Examiner   Art Unit   Tuan Quach   Z828   Z82	·			( nu)	
Notice of Allowability    Examiner	۲.	Application No.	Applicant(s)		
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The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERTIS IS (OR REMAINS) CLOSED in this application, if not included herewith (or previously mailed), a Notice of Allowable (PTO-93) or other appropriate communication will be mailed use course. THIS NOTICE OF ALLOWABILITY IS NOT GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiativ of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. ☑ This communication is responsive to response filed 3177/06.  2. ☑ The allowed claim(s) is/are 7-18 and 25-32.  3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☑ All b) ☐ Some* c) ☐ None of the:  1. ☑ Certified copies of the priority documents have been received in Application No.  3. ☐ Copies of the certified copies of the priority documents have been received in Application No.  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  **Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE MONTH PERIOD IS NOT EXTENDABLE.  4. ☐ A SUBSTITUTE CATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  (a) ☐ including changes required by the Altached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date	Notice of Allowability	Examiner	Art Unit		
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously maleid, a Notice of Allowance (PTOL-85) or other appropriate communication will be maid in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR. 13/13 and MPEP 1308.  1. ☑ This communication is responsive to response filed 3/17/06.  2. ☑ The allowed claim(s) is/are 7.18 and 25-32.  3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f):  a) ☑ All ib) ☐ Some* o) ☐ None of the:  1. ☑ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No.  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:		Tuan Quach	2826		
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## **EXAMINER'S AMENDMENT AND REASONS FOR ALLOWANCE**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1,312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

This application is in condition for allowance except for the presence of claims 1-6, 19-24, directed to species non-elected without traverse. Accordingly, claims 1-6 and 19-24 have been cancelled.

The following is an examiner's statement of reasons for allowance:

Claims 7-18 and 25-32 are allowed primarily because the prior art does not teach all the claimed inventions in claims 7, 10, 13, and 16. In particular, there is no teaching regarding a driver circuit comprising a shift register, a buffer circuit electrically connected thereto comprising a source follower circuit comprising a thin film transistor, and an analog memory electrically connected to the buffer circuit wherein a channel forming region of the thin film transistor comprises a polycrystalline semiconductor, the thin film transistor is a depletion mode transistor, and an impurity doped to a channel forming region of a semiconductor of the thin film transistor as characterized in claims 7 and 10 last two lines. There is also no teaching regarding a driver circuit comprising a shift register, a buffer circuit electrically connected thereto comprising a bootstrap circuit comprising a thin film transistor, and an analog memory electrically connected to the buffer circuit wherein a channel forming region of the thin film transistor comprises a

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polycrystalline semiconductor, the thin film transistor is a depletion mode transistor, and an impurity doped to a channel forming region of a semiconductor of the thin film transistor as characterized in claims 13 and 16 last two lines. The prior art previously of record does not teach or suggest all the claimed inventions as delineated as well as the necessary modification and combinations to arrive at the claimed inventions. The newly cited prior art includes Mouli 6,872,640 B1 teaching implants including at 5 x 10<sup>12</sup> to  $10^{13}$  ions/cm<sup>2</sup> and Gardner et al. 5,899,732 teaching implants at  $10^{12}$  to  $10^{13}$  ions/cm<sup>2</sup> for threshold voltage adjustment implants; however, there does not appear to be teachings regarding the remaining features of the claimed inventions as delineated above; there also are no suggestion to modify and combine the various separate prior art references to arrive at all the claimed features of the inventions as delineated.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Tuan Quach whose telephone number is 571-272-1717. The examiner can normally be reached on M-F from 8:30 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Nathan Flynn, can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan Quach
Primary Examiner